

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062819\
 Data File : BF115298.D
 Acq On : 28 Jun 2019 22:49
 Operator : HP/JU
 Sample : K3518-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S1-SOIL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.431	420	424	431	rVB	149431	183502	2.65%	0.267%
2	5.201	549	555	558	rBV	4942202	5586344	80.82%	8.140%
3	6.242	725	732	734	rBV	5060612	5849750	84.64%	8.524%
4	6.260	734	735	748	rVB	153710	139644	2.02%	0.203%
5	6.366	748	753	756	rBV	5821190	6118447	88.52%	8.916%
6	6.595	788	792	796	rBV	2143128	1689351	24.44%	2.462%
7	6.754	815	819	822	rBV	5545489	4850984	70.18%	7.069%
8	7.160	882	888	891	rBV	3892213	3925866	56.80%	5.721%
9	7.395	925	928	931	rBV	82784	75326	1.09%	0.110%
10	7.878	1005	1010	1013	rBV	2666357	2207373	31.94%	3.217%
11	8.960	1188	1194	1197	rBV	6541223	6911728	100.00%	10.072%
12	9.348	1256	1260	1266	rVB	1202675	941060	13.62%	1.371%
13	9.625	1302	1307	1310	rBV	2883024	2571534	37.21%	3.747%
14	10.407	1435	1440	1443	rBV	4519526	4404858	63.73%	6.419%
15	11.095	1553	1557	1559	rBV	3057868	2628502	38.03%	3.830%
16	11.113	1559	1560	1564	rVV	362093	261651	3.79%	0.381%
17	11.166	1564	1569	1573	rVB	117540	122786	1.78%	0.179%
18	11.595	1635	1642	1644	rBV	103697	119875	1.73%	0.175%
19	11.619	1644	1646	1648	rVV	138117	124449	1.80%	0.181%
20	11.648	1648	1651	1657	rVV3	673125	762672	11.03%	1.111%
21	11.701	1657	1660	1662	rVV	210691	226169	3.27%	0.330%
22	11.724	1662	1664	1670	rVB	115974	109209	1.58%	0.159%
23	12.142	1731	1735	1737	rBV	112785	123421	1.79%	0.180%
24	12.171	1737	1740	1743	rBV	59584	70699	1.02%	0.103%
25	12.295	1757	1761	1765	rVB	871088	717926	10.39%	1.046%
26	12.348	1767	1770	1775	rBV3	94080	99743	1.44%	0.145%
27	12.424	1780	1783	1791	rBV4	203873	289040	4.18%	0.421%
28	12.518	1794	1799	1802	rVV	1041449	964030	13.95%	1.405%
29	12.577	1806	1809	1815	rVB4	141898	200766	2.90%	0.293%
30	12.677	1822	1826	1830	rBV	6287517	6599030	95.48%	9.616%
31	12.742	1832	1837	1840	rBV3	98171	127988	1.85%	0.187%
32	12.813	1844	1849	1850	rVV2	85039	117081	1.69%	0.171%
33	12.848	1853	1855	1858	rVB	173039	148279	2.15%	0.216%
34	12.918	1864	1867	1868	rBV	125752	110991	1.61%	0.162%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	12.954	1871	1873	1876	rVB	138940	131781	1.91%	0.192%
36	13.042	1885	1888	1890	rBV	112517	84466	1.22%	0.123%
37	13.071	1890	1893	1898	rVB	98534	86227	1.25%	0.126%
38	13.224	1916	1919	1921	rBV2	75012	74591	1.08%	0.109%
39	13.271	1925	1927	1930	rVB2	115148	102328	1.48%	0.149%
40	13.460	1955	1959	1962	rBV2	93886	129332	1.87%	0.188%
41	13.513	1966	1968	1973	rVB2	57902	75417	1.09%	0.110%
42	13.554	1973	1975	1980	rVB	56714	69152	1.00%	0.101%
43	13.607	1980	1984	1986	rBV2	254102	399167	5.78%	0.582%
44	13.713	1997	2002	2004	rBV2	2526438	2544890	36.82%	3.708%
45	13.736	2004	2006	2009	rVB	459367	335637	4.86%	0.489%
46	13.913	2034	2036	2041	rVB3	136174	132922	1.92%	0.194%
47	14.095	2065	2067	2070	rVB	119473	90134	1.30%	0.131%
48	14.130	2070	2073	2077	rVB	75047	70266	1.02%	0.102%
49	14.218	2085	2088	2090	rBV	247188	207638	3.00%	0.303%
50	14.512	2134	2138	2141	rVB2	198460	186130	2.69%	0.271%
51	14.571	2146	2148	2153	rVB	164275	158586	2.29%	0.231%
52	14.701	2166	2170	2172	rBV	412417	530800	7.68%	0.773%
53	14.807	2183	2188	2194	rVB2	196488	275627	3.99%	0.402%
54	14.959	2211	2214	2219	rVB	276240	286835	4.15%	0.418%
55	15.012	2220	2223	2228	rBV	389584	405378	5.87%	0.591%
56	15.071	2229	2233	2237	rBV	1755403	1920732	27.79%	2.799%
57	15.142	2242	2245	2248	rVB	156193	166788	2.41%	0.243%
58	15.518	2306	2309	2313	rBV	161734	215229	3.11%	0.314%
59	15.959	2381	2384	2388	rVB2	81804	102582	1.48%	0.149%
60	16.324	2442	2446	2453	rVB2	150735	270696	3.92%	0.394%
61	16.701	2507	2510	2519	rVB	113582	192442	2.78%	0.280%

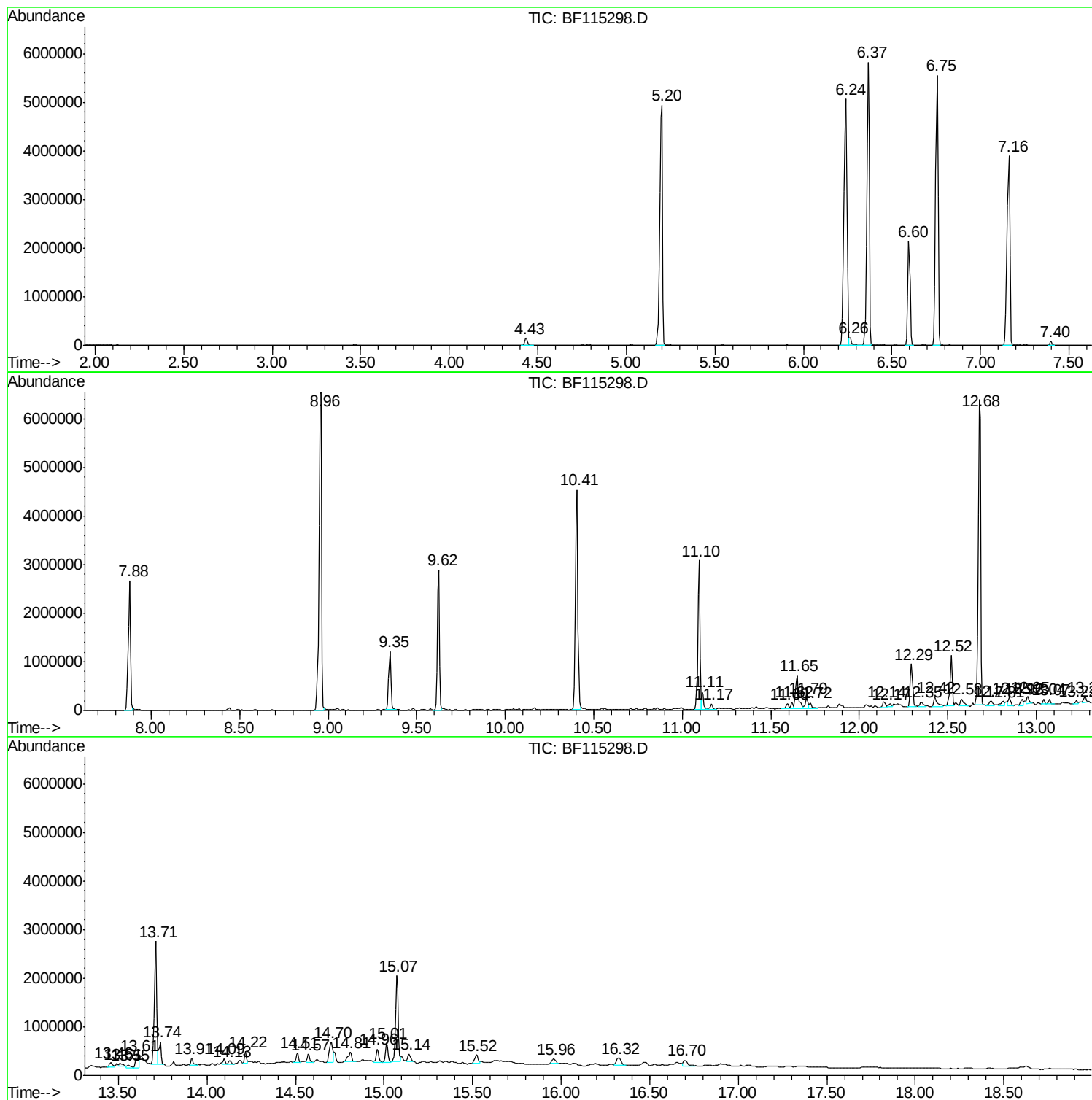
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ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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ClientSampleId :
CP-S1-SOIL

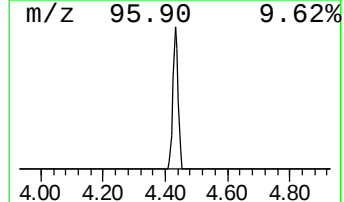
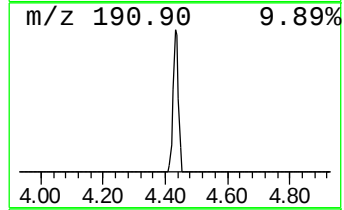
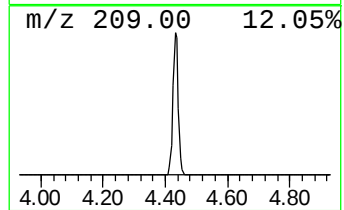
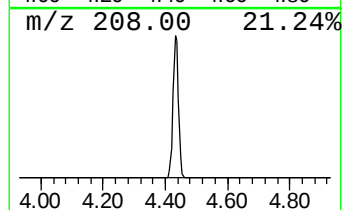
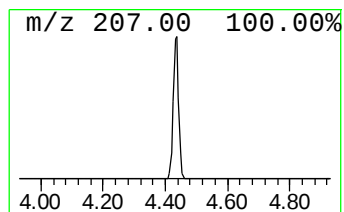
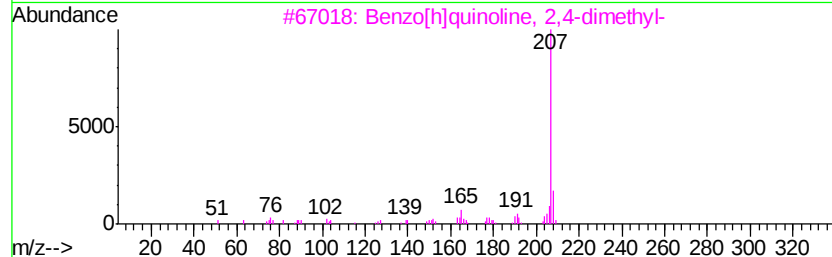
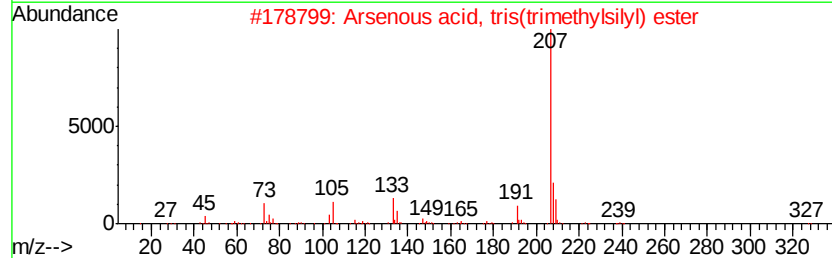
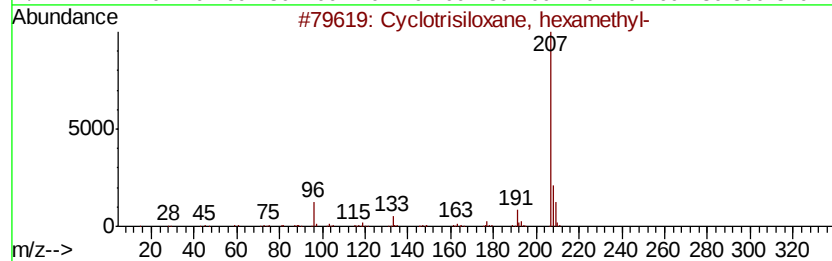
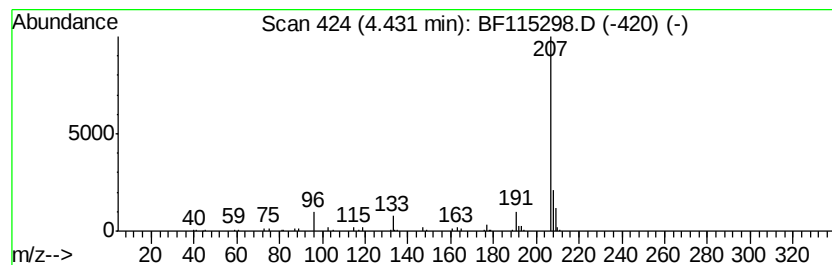
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclotrisiloxane, hexamethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.43	2.17 ng	183502	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	87
2		Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	72
3		Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	45
4		4-Cyclohexene-1,2-dicarboximide,...	207	C12H17N02	028916-00-9	42
5		5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	39



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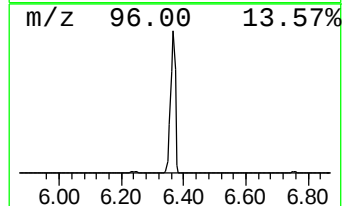
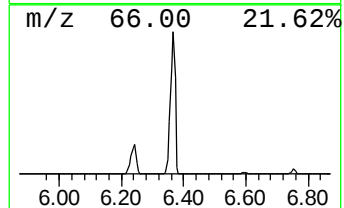
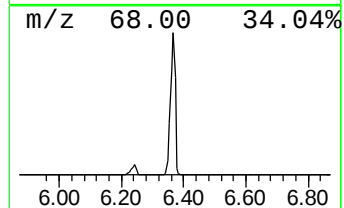
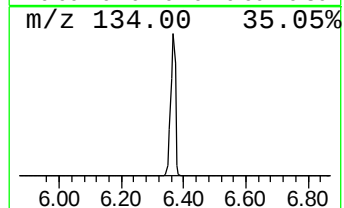
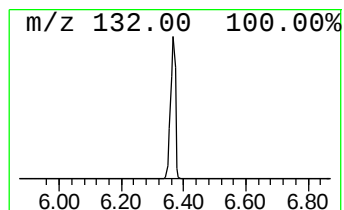
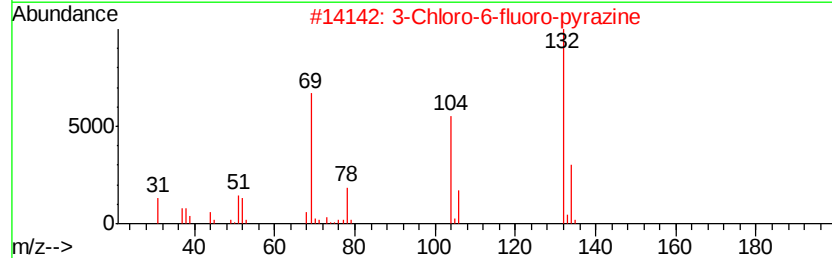
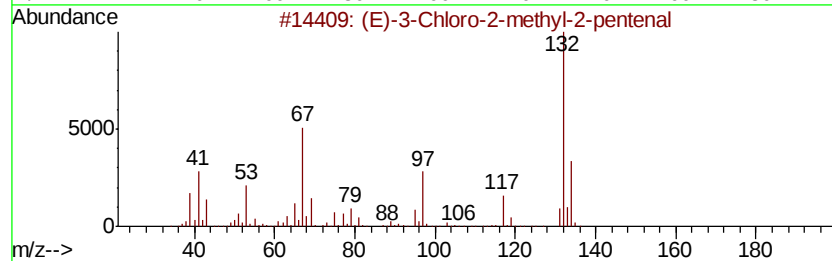
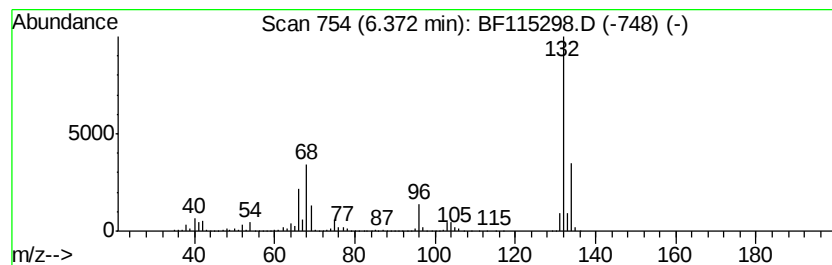
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.37 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	72.44 ng	6118450	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	30
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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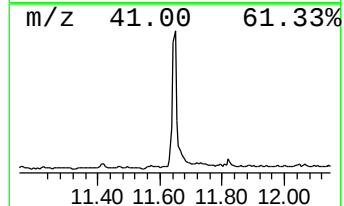
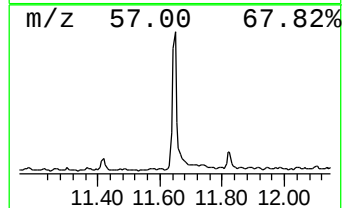
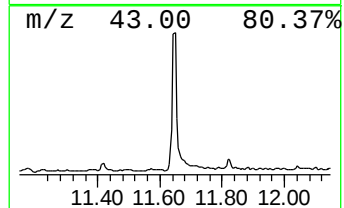
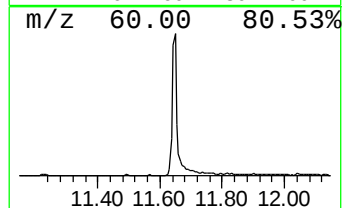
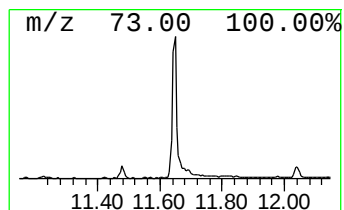
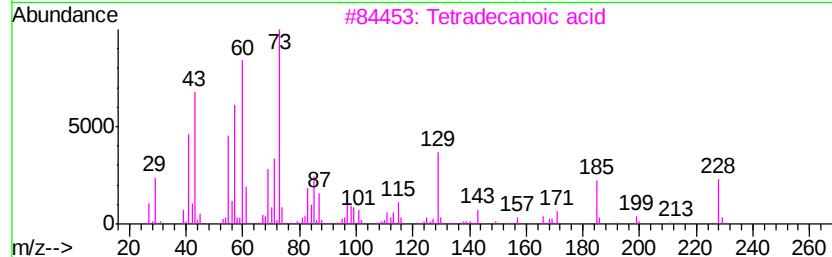
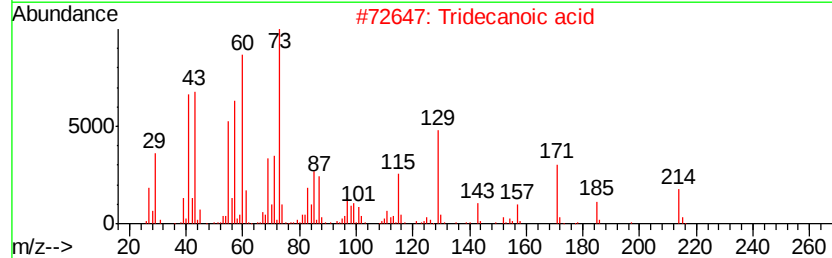
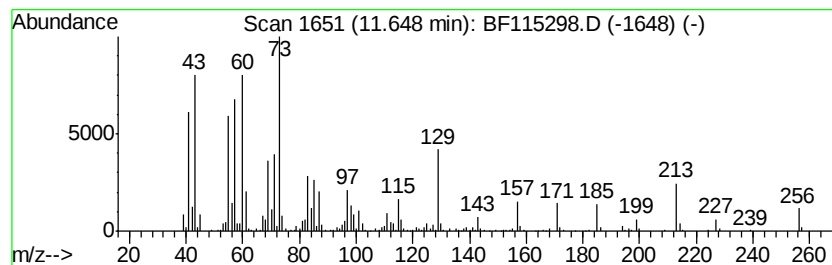
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.65	5.80 ng	762672	Phenanthrene-d10		11.10	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	94
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5		Undecanoic acid	186	C11H22O2	000112-37-8	83



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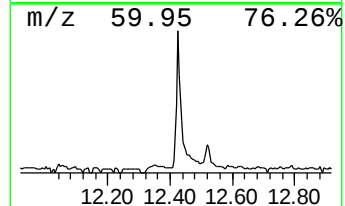
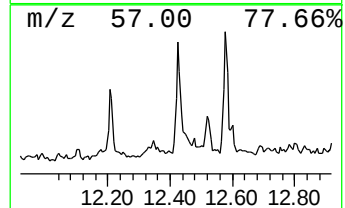
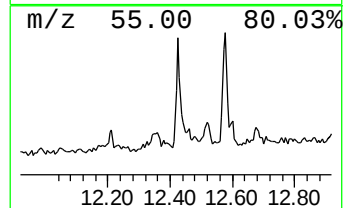
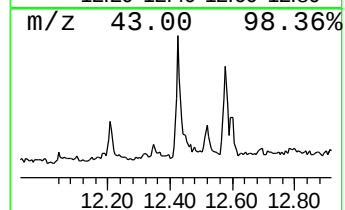
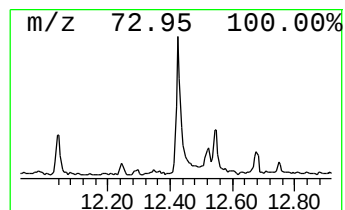
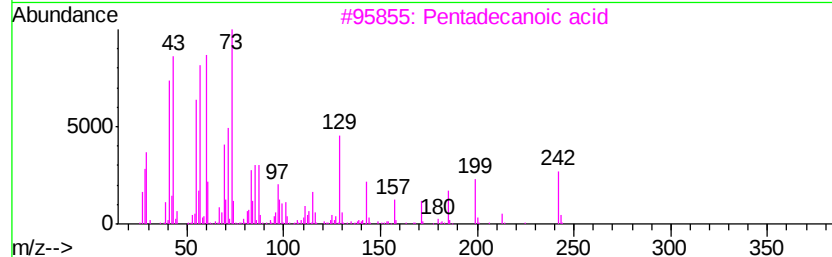
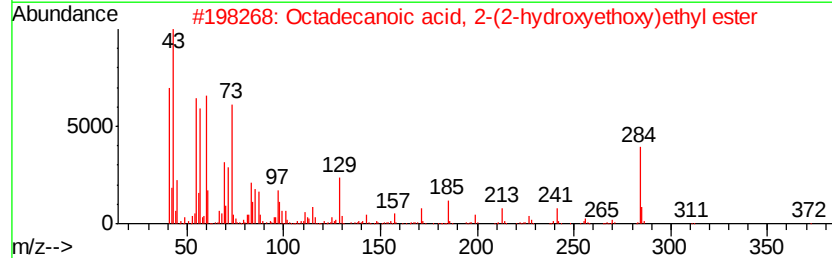
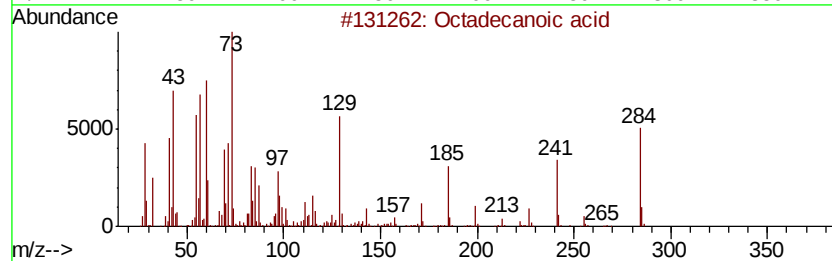
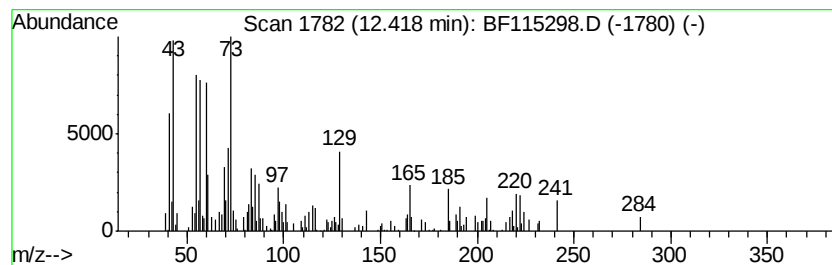
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.27 ng	289040	Chrysene-d12	13.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	83
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68



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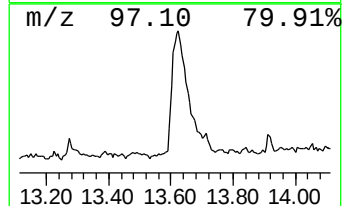
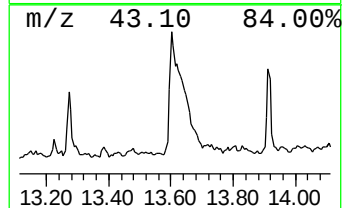
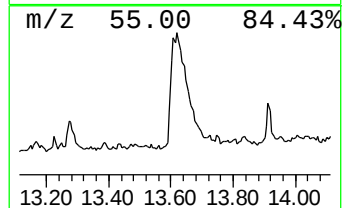
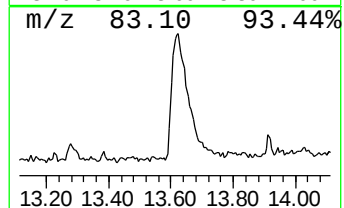
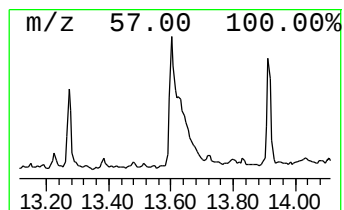
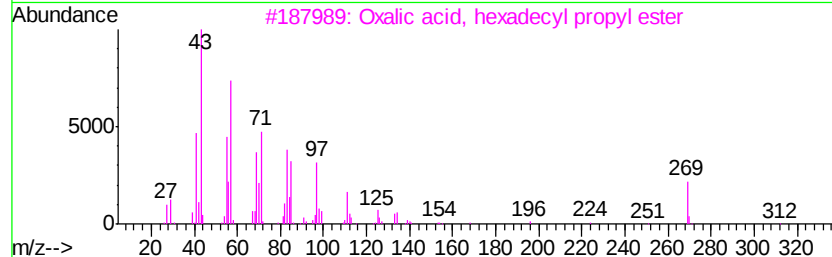
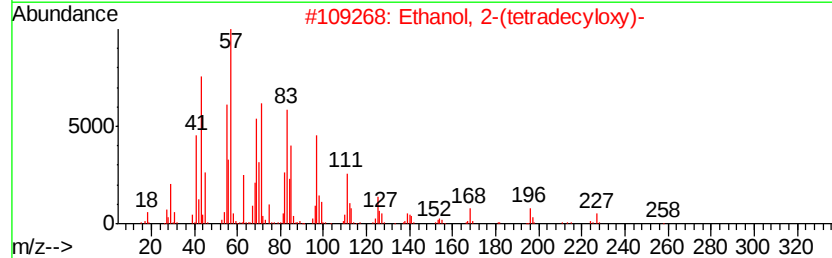
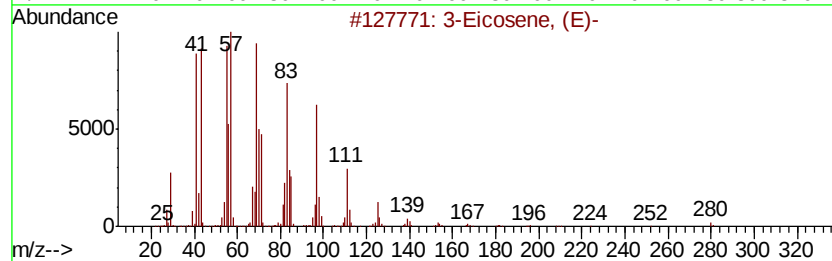
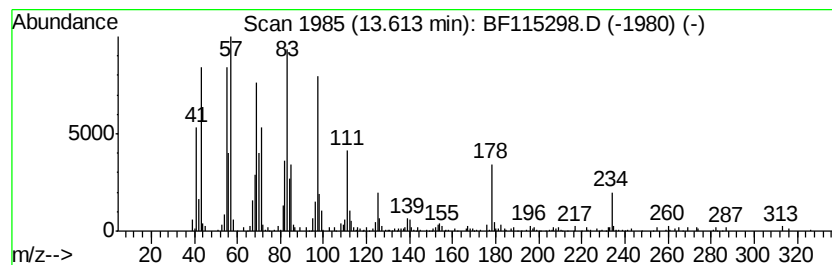
Instrument :
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ClientSampleId :
CP-S1-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 3-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.61	3.14 ng	399167	Chrysene-d12	13.71		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
3		Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	87
4		5-Eicosene, (E)-	280	C20H40	074685-30-6	86
5		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115298.D
Acq On : 28 Jun 2019 22:49
Operator : HP/JU
Sample : K3518-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

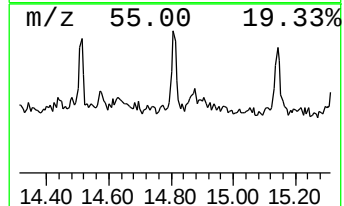
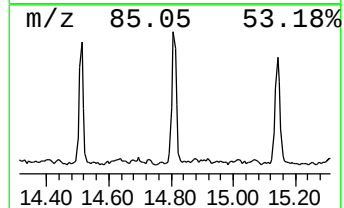
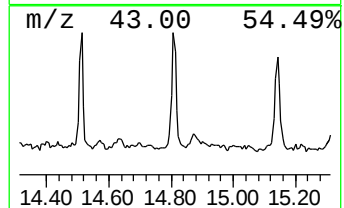
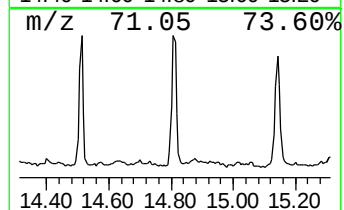
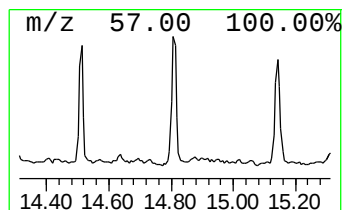
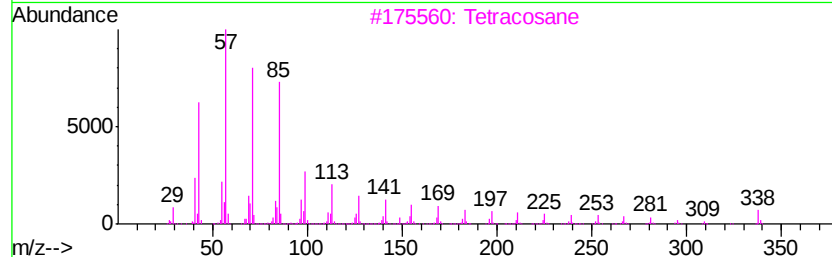
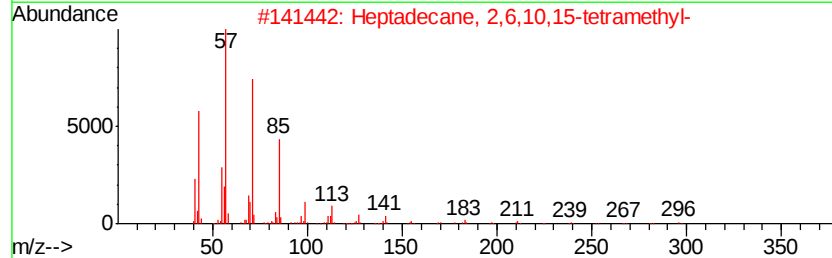
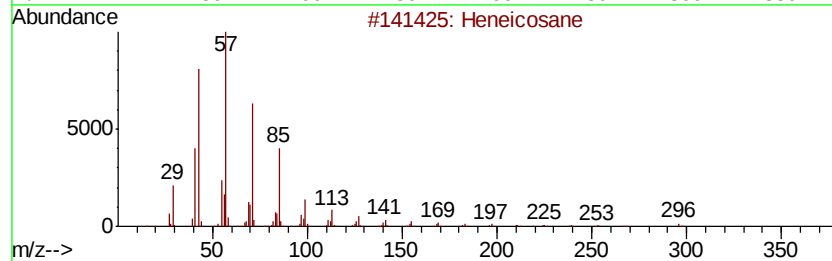
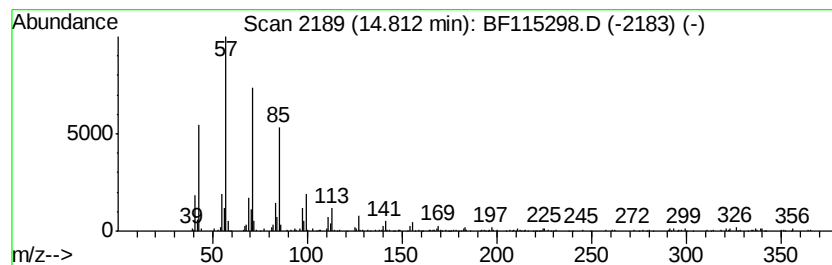
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	2.87 ng	275627	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	96
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3		Tetracosane	338	C24H50	000646-31-1	90
4		Tridecane, 6-propyl-	226	C16H34	055045-10-8	83
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115298.D
Acq On : 28 Jun 2019 22:49
Operator : HP/JU
Sample : K3518-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

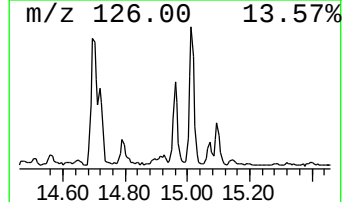
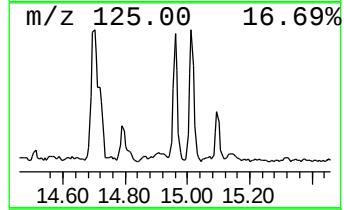
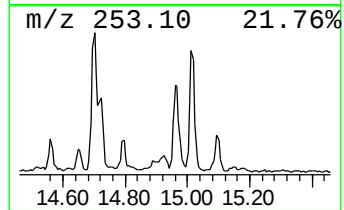
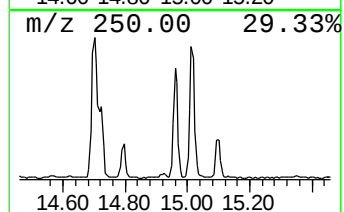
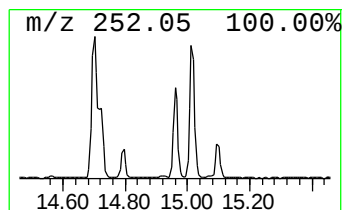
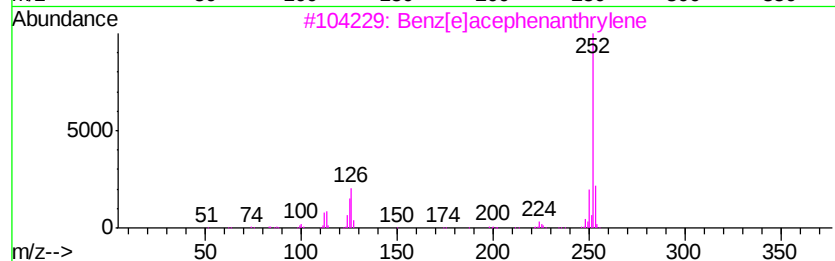
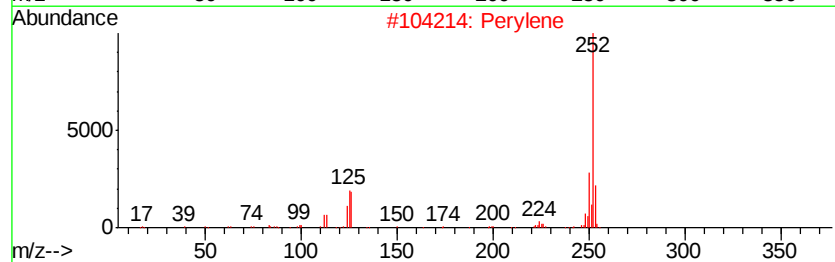
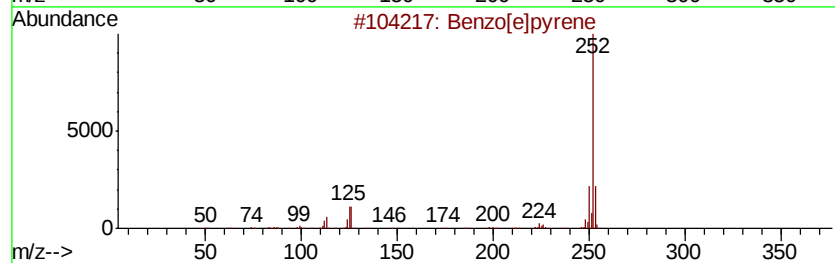
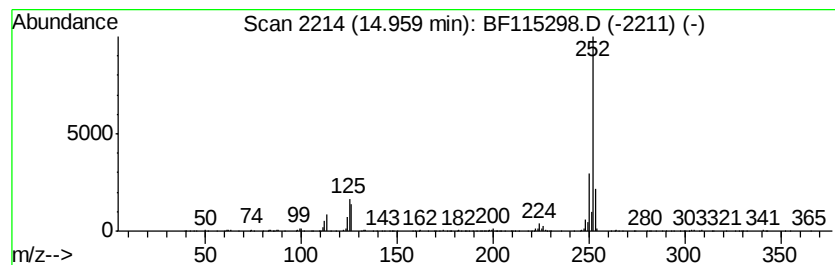
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.99 ng	286835	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115298.D
Acq On : 28 Jun 2019 22:49
Operator : HP/JU
Sample : K3518-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

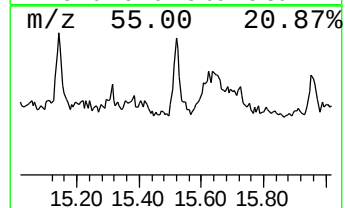
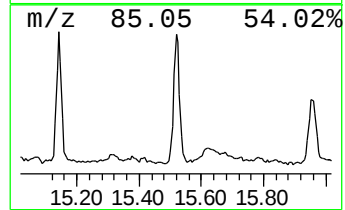
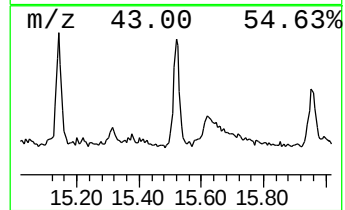
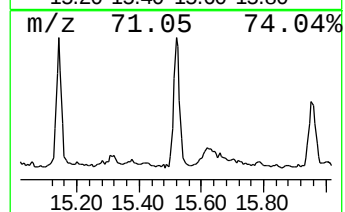
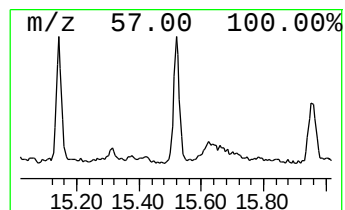
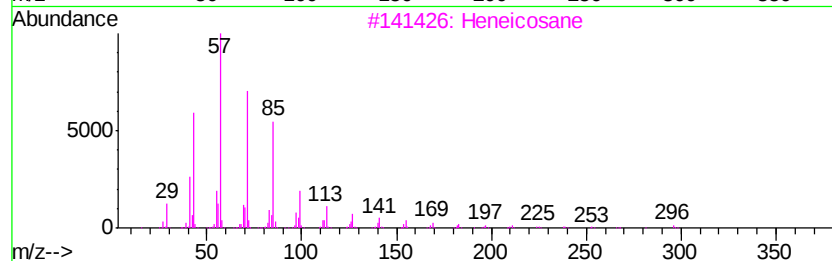
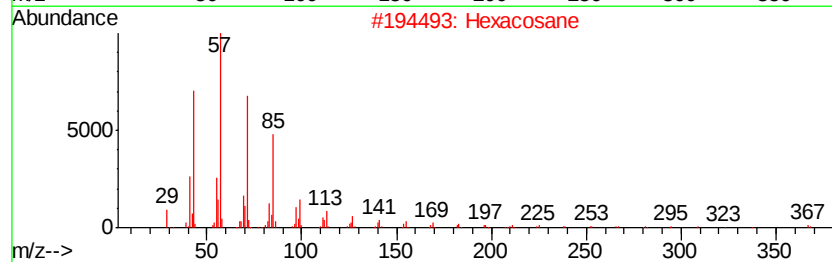
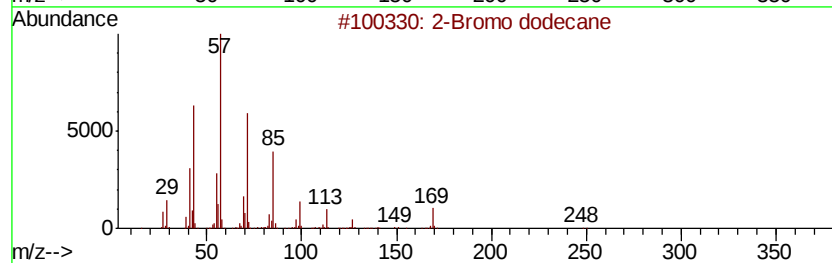
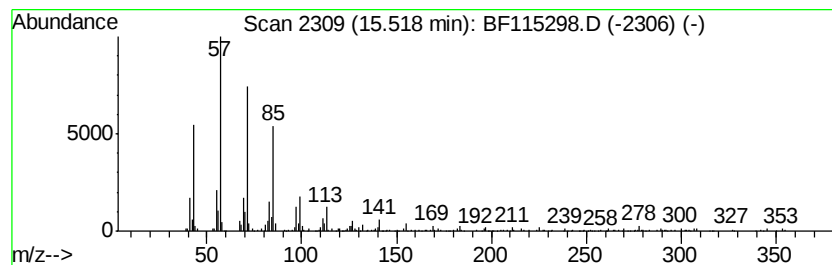
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 2-Bromo dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	2.24 ng	215229	Perylene-d12	15.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane		248	C12H25Br	013187-99-0	93
2	Hexacosane		366	C26H54	000630-01-3	91
3	Heneicosane		296	C21H44	000629-94-7	91
4	Tetracosane		338	C24H50	000646-31-1	91
5	Heptadecane		240	C17H36	000629-78-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115298.D
Acq On : 28 Jun 2019 22:49
Operator : HP/JU
Sample : K3518-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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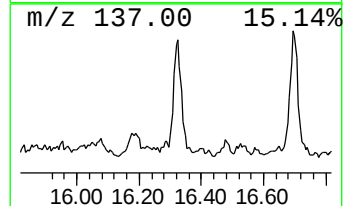
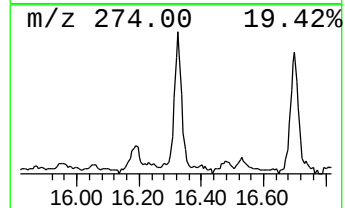
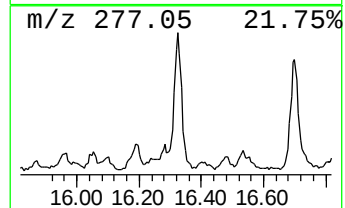
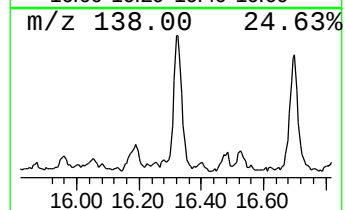
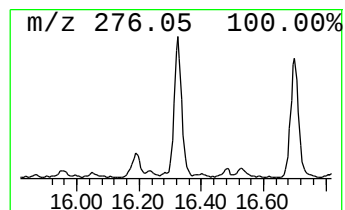
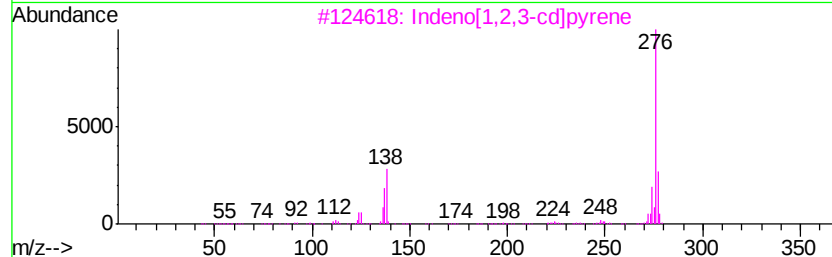
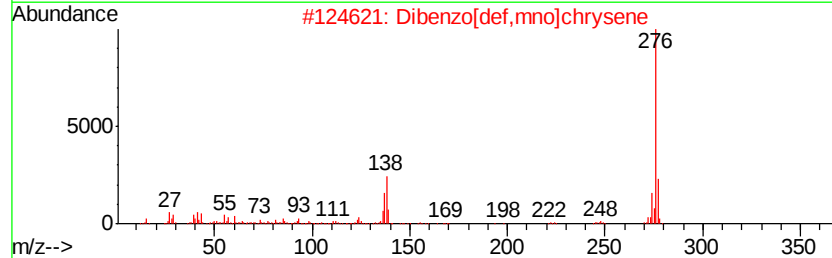
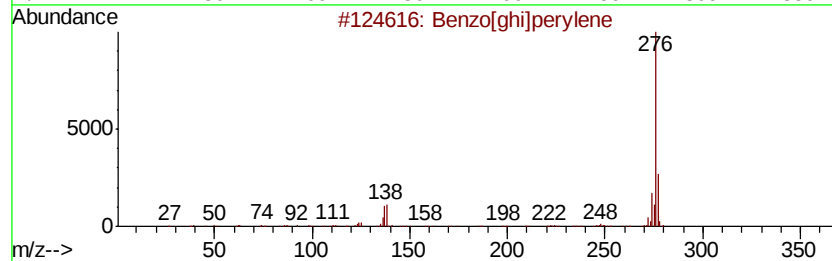
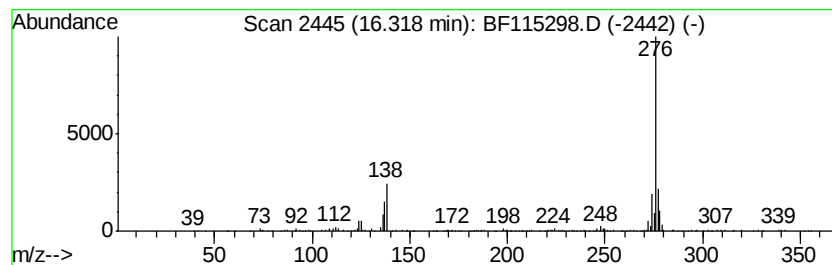
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	2.82 ng	270696	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5		1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062819\
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Acq On : 28 Jun 2019 22:49
Operator : HP/JU
Sample : K3518-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CP-S1-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclotrisiloxane,...	4.43	2.2	ng	183502	1	6.60	1689350	20.0
unknown6.37	6.37	72.4	ng	6118450	1	6.60	1689350	20.0
n-Hexadecanoic acid	11.65	5.8	ng	762672	4	11.10	2628500	20.0
Octadecanoic acid	12.42	2.3	ng	289040	5	13.71	2544890	20.0
3-Eicosene, (E)-	13.61	3.1	ng	399167	5	13.71	2544890	20.0
Heneicosane	14.81	2.9	ng	275627	6	15.07	1920730	20.0
Benzo[e]pyrene	14.96	3.0	ng	286835	6	15.07	1920730	20.0
2-Bromo dodecane	15.52	2.2	ng	215229	6	15.07	1920730	20.0
Dibenzo[def,mno]c...	16.32	2.8	ng	270696	6	15.07	1920730	20.0